

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112420\
 Data File : VL035994.D
 Acq On : 24 Nov 2020 11:30
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 11/27/2020 1:14:20 PM

Quant Time: Nov 25 08:40:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1228916	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	4459617	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	4473797m	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3478302	10.94	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	1731529	7.484	ppbv 99
3) Chlorodifluoromethane	2.97	51	1396787	9.491	ppbv 100
4) Chloromethane	3.12	50	703804	9.844	ppbv 100
5) Vinyl Chloride	3.24	62	878763	9.642	ppbv 96
6) Bromomethane	3.45	94	711082	9.702	ppbv 99
7) Chloroethane	3.54	64	325316	10.142	ppbv 96
8) Dichlorotetrafluoroethane	3.17	85	2411205	9.106	ppbv 98
9) Propene	2.99	41	512148	9.508	ppbv 98
10) Heptane	8.10	43	1546084	10.392	ppbv 99
11) Trichlorofluoromethane	3.93	101	2902327	9.990	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	2182182	10.088	ppbv 97
13) Ethanol	3.58	45	97701	8.361	ppbv 100
14) Bromoethene	3.72	108	922614	9.268	ppbv 100
15) Acetone	3.83	43	1238806	9.429	ppbv 99
16) 1,3-Butadiene	3.31	39	569680	10.071	ppbv 97
17) tert-Butyl alcohol	4.27	59	1629068	9.356	ppbv 100
18) 1,1-Dichloroethene	4.27	96	1001145	10.081	ppbv 100
19) Isopropyl Alcohol	3.95	45	798532	9.890	ppbv 98
20) Methylene Chloride	4.32	84	838920	9.070	ppbv 98
21) Allyl Chloride	4.39	41	734917	10.344	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	1008425	10.016	ppbv 97
23) Vinyl Acetate	5.05	43	1617261	8.782	ppbv 100
24) 1,1-Dichloroethane	4.99	63	1711450	9.754	ppbv 100
25) Ethyl Acetate	5.65	43	2620034	10.123	ppbv 99
26) Hexane	5.66	57	1366854	9.576	ppbv 97
27) Carbon Disulfide	4.53	76	2213627	10.350	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	2247510	8.768	ppbv 99
29) Chloroform	5.73	83	2643199	9.421	ppbv 98
30) Cyclohexane	7.11	84	1402366	9.021	ppbv 96
31) cis-1,2-Dichloroethene	5.53	61	1366844	9.308	ppbv 97
32) 1,1,1-Trichloroethane	6.49	97	2528529	8.637	ppbv 98
34) 2-Butanone	5.22	43	1611488	11.134	ppbv 97
35) Carbon Tetrachloride	7.00	117	2518501	10.570	ppbv 99
36) Benzene	6.87	78	3293772	9.935	ppbv 98
37) 1,2-Dichloroethane	6.29	62	1650000	10.986	ppbv 99
38) Trichloroethene	7.82	130	1517431	9.370	ppbv 98
39) 1,2-Dichloropropane	7.59	63	1176887	10.544	ppbv 98
40) 1,4-Dioxane	7.81	88	548980	10.377	ppbv 92
41) Tetrahydrofuran	6.03	42	946368	11.509	ppbv 96
42) Bromodichloromethane	7.77	83	2739334	10.809	ppbv 99
43) Methyl Methacrylate	7.99	69	1369419	10.829	ppbv 96

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44) 2,2,4-Trimethylpentane	7.85	57	4711946	10.740	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	1421380	10.603	ppbv	99
46) cis-1,3-Dichloropropene	8.68	75	1804725	10.630	ppbv	97
47) 1,1,2-Trichloroethane	9.46	97	1543311	10.147	ppbv	97
48) Dibromochloromethane	10.28	129	2489372	10.713	ppbv	100
49) Bromoform	13.02	173	2040509	10.407	ppbv	100
50) 4-Methyl-2-Pentanone	8.72	43	2585280	11.682	ppbv	98
51) 2-Hexanone	10.11	43	2078397	11.691	ppbv #	97
52) Tetrachloroethene	11.20	164	1356042	8.633	ppbv	98
53) Toluene	9.79	91	3999528	9.998	ppbv	100
54) 1,2-Dibromoethane	10.59	107	2297411	9.932	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	1937258	9.648	ppbv	98
57) Chlorobenzene	12.13	112	3235259	9.095	ppbv	97
58) Ethyl Benzene	12.69	91	5143035	9.439	ppbv	99
59) m/p-Xylene	12.98	91	8865025m	19.230	ppbv	
60) o-Xylene	13.67	91	4353968	9.709	ppbv	99
61) Styrene	13.51	104	3174517	9.661	ppbv	99
62) Isopropylbenzene	14.65	105	6397595	9.076	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	3188882	9.177	ppbv	99
64) n-propylbenzene	15.55	120	1863006	9.144	ppbv	94
65) tert-Butylbenzene	16.73	119	5712640	8.904	ppbv	98
66) Benzyl Chloride	16.97	91	2009101	9.474	ppbv	98
67) sec-Butylbenzene	17.28	105	7692666	8.897	ppbv	98
69) p-Isopropyltoluene	17.64	119	6259953	8.774	ppbv	99
70) n-Butylbenzene	18.54	91	6298844	9.167	ppbv	99
71) 2-Chlorotoluene	15.44	91	4823218	9.355	ppbv	97
72) 4-Ethyltoluene	15.82	105	5034807	9.257	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4633364	9.309	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	4877751	9.146	ppbv	100
75) 1,3-Dichlorobenzene	16.98	146	2931900	8.634	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2859586	8.729	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	2795168	8.444	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1286471	8.329	ppbv	100
79) Naphthalene	22.18	128	3041254	8.180	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	347097	5.729	ppbv	98
81) 1,2,4-Trichlorobenzene	21.91	180	1590661	7.658	ppbv	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

